

Name : \_\_\_\_\_ Score : \_\_\_\_\_

Teacher : \_\_\_\_\_ Date : \_\_\_\_\_

## Converting Decimal and Binary Numbers

Convert the given Decimal number to its Binary equivalent.

1)  $52_{(10)} = \underline{\hspace{2cm}}_{(2)}$

2)  $55_{(10)} = \underline{\hspace{2cm}}_{(2)}$

3)  $40_{(10)} = \underline{\hspace{2cm}}_{(2)}$

4)  $41_{(10)} = \underline{\hspace{2cm}}_{(2)}$

5)  $61_{(10)} = \underline{\hspace{2cm}}_{(2)}$

6)  $48_{(10)} = \underline{\hspace{2cm}}_{(2)}$

7)  $59_{(10)} = \underline{\hspace{2cm}}_{(2)}$

8)  $50_{(10)} = \underline{\hspace{2cm}}_{(2)}$

Convert the given Binary to its Decimal equivalent.

9)  $101011_{(2)} = \underline{\hspace{2cm}}_{(10)}$

10)  $110001_{(2)} = \underline{\hspace{2cm}}_{(10)}$

11)  $110110_{(2)} = \underline{\hspace{2cm}}_{(10)}$

12)  $101110_{(2)} = \underline{\hspace{2cm}}_{(10)}$

13)  $100100_{(2)} = \underline{\hspace{2cm}}_{(10)}$

14)  $111001_{(2)} = \underline{\hspace{2cm}}_{(10)}$

15)  $100001_{(2)} = \underline{\hspace{2cm}}_{(10)}$

16)  $101101_{(2)} = \underline{\hspace{2cm}}_{(10)}$



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## Converting Decimal and Binary Numbers

Convert the given Decimal number to its Binary equivalent.

1)  $52_{(10)} = \underline{110100}_{(2)}$

2)  $55_{(10)} = \underline{110111}_{(2)}$

3)  $40_{(10)} = \underline{101000}_{(2)}$

4)  $41_{(10)} = \underline{101001}_{(2)}$

5)  $61_{(10)} = \underline{111101}_{(2)}$

6)  $48_{(10)} = \underline{110000}_{(2)}$

7)  $59_{(10)} = \underline{111011}_{(2)}$

8)  $50_{(10)} = \underline{110010}_{(2)}$

Convert the given Binary to its Decimal equivalent.

9)  $101011_{(2)} = \underline{43}_{(10)}$

10)  $110001_{(2)} = \underline{49}_{(10)}$

11)  $110110_{(2)} = \underline{54}_{(10)}$

12)  $101110_{(2)} = \underline{46}_{(10)}$

13)  $100100_{(2)} = \underline{36}_{(10)}$

14)  $111001_{(2)} = \underline{57}_{(10)}$

15)  $100001_{(2)} = \underline{33}_{(10)}$

16)  $101101_{(2)} = \underline{45}_{(10)}$

